

Bryan W Byles

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,634
citations

759233

12
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

2672
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous heterostructured MXene/carbon nanotube composite paper with high volumetric capacity for sodium-based energy storage devices. <i>Nano Energy</i> , 2016, 26, 513-523.	16.0	710
2	Lithium-ion capacitors with 2D Nb ₂ CT _x (MXene) @ carbon nanotube electrodes. <i>Journal of Power Sources</i> , 2016, 326, 686-694.	7.8	175
3	Tunnel structured manganese oxide nanowires as redox active electrodes for hybrid capacitive deionization. <i>Nano Energy</i> , 2018, 44, 476-488.	16.0	145
4	Ordering Heterogeneity of [MnO ₆] Octahedra in Tunnel-Structured MnO ₂ and Its Influence on Ion Storage. <i>Joule</i> , 2019, 3, 471-484.	24.0	123
5	Voltage-Gated Ions Sieving through 2D MXene Ti ₃ C ₂ T _x Membranes. <i>ACS Applied Nano Materials</i> , 2018, 1, 3644-3652.	5.0	102
6	High-Capacity All-Solid-State Sodium Metal Battery with Hybrid Polymer Electrolytes. <i>Advanced Energy Materials</i> , 2018, 8, 1801885.	19.5	87
7	Stable high-voltage aqueous pseudocapacitive energy storage device with slow self-discharge. <i>Nano Energy</i> , 2019, 64, 103961.	16.0	78
8	Ion Removal Performance, Structural/Compositional Dynamics, and Electrochemical Stability of Layered Manganese Oxide Electrodes in Hybrid Capacitive Deionization. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32313-32322.	8.0	67
9	Effect of aging and hydrothermal treatment on electrochemical performance of chemically pre-intercalated NaVO nanowires for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7754-7761.	10.3	44
10	Influence of operating conditions and cathode parameters on desalination performance of hybrid CDI systems. <i>Desalination</i> , 2019, 452, 1-8.	8.2	36
11	Bilayered vanadium oxide as the host material for reversible beyond lithium ion intercalation. <i>Advanced Materials Letters</i> , 2017, 8, 679-688.	0.6	20
12	Revealing the Atomic Structures of Exposed Lateral Surfaces for Polymorphic Manganese Dioxide Nanowires. <i>Small Structures</i> , 2021, 2, 2000091.	12.0	18
13	Prediction of optimal structural water concentration for maximized performance in tunnel manganese oxide electrodes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9480-9487.	2.8	12
14	Improved electrochemical cycling stability of intercalation battery electrodes via control of material morphology. <i>Ionics</i> , 2019, 25, 493-502.	2.4	8
15	Creation of controllable cationic and anionic defects in tunnel manganese oxide nanowires for enhanced oxygen evolution reaction. <i>Polyhedron</i> , 2019, 171, 32-40.	2.2	5
16	Effect of manganese oxide crystal tunnel size on Li-ion and Na-ion battery performance. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
17	Reversible intercalation of lithium and sodium ions into layered and tunnel structured manganese oxides: one-dimensional versus two-dimensional diffusion. , 2017, , .		2